



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460**

**OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION**

March 23, 2018

Dr. Gary Orr
Verdesian Life Sciences, LLC
1001 Winstead Drive, Suite 480
Cary, NC 27513

Subject: Labeling Notification per Pesticide Registration Notice (PRN) 98-10 – Correction to Ingredient Statement.
Product Name: Fungi-Phite Ca
EPA Registration Number: 73771-11
Application Date: 2/28/18
OPP Decision Number: 538720

Dear Dr. Orr:

The U.S. Environmental Protection Agency (EPA) is in receipt of your application for notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Biopesticides and Pollution Prevention Division (BPPD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The labeling submitted with this application has been stamped "Notification" and will be placed in our records. You must submit one (1) copy of the final printed labeling with the modifications.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

If you have any questions, please contact Chris Pfeifer of my team by phone at (703) 308-0031 or via email at pfeifer.chris@epa.gov.

Sincerely,

A handwritten signature in blue ink, reading "Andrew C. Bryceland". The signature is fluid and cursive, with the first name "Andrew" and last name "Bryceland" clearly legible.

Andrew Bryceland, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure

[] – Optional label claims
{ } – Note to the reviewer

NOTIFICATION

73771-11

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

03/23/2018

MASTER LABEL

FUNGI-PHITE Ca

Fungicide

Sublabel A: Agricultural Uses

For use on Avocado, Bananas and Plantains, Berry Crops, Bulb Vegetable Crops, Brassica Crops, Cereal Grains, Citrus and Citrus Hybrids, Forage and Fiber Crops, Cucurbit Crops, Fruiting Vegetable Crops, Grapes, Herb and Spice Crops, Hops, Leafy Vegetable Crops, Legume Crops, Oil Crops, Pineapple, Pome Fruit Crops, Potatoes, Sweet Potatoes, Yams and other Root and Tuber Vegetable Crops, Stone Fruit Crops, Strawberry, Tobacco, Kiwi, Olives, and Tree Nut Crops, and other Miscellaneous Crops such as Asparagus, Cacao, Carambola, Coconut, Coffee, Corn, Eggplant, Guava, Longan, Mango Okra, Papaya, Lychee, Mangosteen, Persimmons, Purslane and Sugarcane.

Sublabel B: Turf and Ornamental Uses

For use on Roses, Other Ornamentals such as Annual and Perennial Flowers, Cut Flowers, Bedding Plants, Foliage Plants, Ground Covers, Deciduous and Evergreen Trees and Shrubs in the Field, Container and Conifer Nursery, Lath or Shade House, and Use in Greenhouse and Conifers in Commercial Nurseries, Landscape Trees, Plantations, and Forests, and Turf

Sublabel C: Agricultural Uses Post-Harvest Application

For use on Potatoes, Sweet Potatoes, Yams and other Tuber Crops, Citrus and Citrus Hybrids, Avocado, Carrots, Pome fruit, Stone fruit, Banana and Plantains, Mango, Papaya, Pineapple, Lychee, Mangosteen, Wax Apple, Longan, Carambola, Guava and certain Cut Flowers

ACTIVE INGREDIENTS*:

| | |
|--|-------|
| Calcium <u>Salts of Phosphorous Acid</u> **† | 20.0% |
| <u>Mono-</u> and <u>Di-</u> Potassium Salts of Phosphorous | |
| Acid*.....40**† | 20.0% |

| | |
|------------------------|-------|
| OTHER INGREDIENTS..... | |
| | 60.0% |

| | |
|--------------------|---------------|
| TOTAL | 100.0% |
|--------------------|---------------|

| | |
|-------------------------------|-------------------|
| TOTAL | 100.0% |
|-------------------------------|-------------------|

*Contains 2.5 lbs/gal of the active ~~ingredients~~ingredient of Calcium Salts of Phosphorous Acid

**Contains 2.5 lbs/gal of the active ingredient Mono- and Di-Potassium Salts of Phosphorous Acid

*†Equivalent to 2.75 lbs/gal Phosphorous Acid

KEEP OUT OF REACH OF CHILDREN
CAUTION

EPA Reg. No. 73771-NEW

EPA Est. No. 73771-CA-1

NET CONTENTS: (various) 1 gallon, 2.5 gallon, 5 gallon

MASTER LABEL – ~~January 23, 2018~~February 28, 2018

PAGE 1 OF 59

[] – Optional label claims
{ } – Note to the reviewer

Manufactured For: Verdesian Life Sciences, LLC, 1001 Winstead Drive, Suite 480,
Cary, NC 27513, Ph. 559-635-3087

[] – Optional label claims
{ } – Note to the reviewer

{Sub Label A – Agricultural Uses}

FUNGI-PHITE Ca
A Calcium Enriched Fungicide

ACTIVE INGREDIENTS:

Calcium Salts of Phosphorous Acid^{*†} 20.0%
Mono- and Di-Potassium Salts of Phosphorous Acid^{*} 40^{**†}
..... 20.0%

OTHER INGREDIENTS

..... 60.0%
TOTAL 100.0%

TOTAL 100.0%

*Contains 2.5 lbs/gal of the active ~~ingredient~~ingredient of Calcium Salts of Phosphorous Acid

**Contains 2.5 lbs/gal of the active ingredient Mono- and Di-Potassium Salts of Phosphorous Acid

[†]Equivalent to 2.75 lbs/gal Phosphorous Acid

KEEP OUT OF REACH OF CHILDREN

CAUTION

| FIRST AID | |
|---|---|
| If in eyes | <ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice. |
| If on skin or clothing | <ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice. |
| Hotline Number Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the International Poison Center at 1-888-740-8712 for emergency medical treatment information. | |

See [Back] [Side] Panel for Precautionary Statements

EPA Reg. No. 73771-NEW

EPA Est. No. 73771-CA-1

NET CONTENTS: (various) 1 gallon, 2.5 gallon, 5 gallon

Manufactured For:
Verdesian Life Sciences, LLC

[] – Optional label claims
{ } – Note to the reviewer

1001 Winstead Drive, Suite 480
Cary, NC 27513
Ph. 559-635-3087

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Wear the appropriate Personal Protective Equipment (PPE).

PERSONAL PROTECTIVE EQUIPMENT (PPE)

All mixers, loaders, applicators and other handlers must wear

- long-sleeved shirt and long pants
- waterproof gloves
- shoes plus socks
- protective eyewear

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USERS SAFETY RECOMMENDATIONS

- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing.
- As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons either directly or through drift. Only protected handlers to be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notifications, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the REI of 4 hours.

For early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil, or water, wear coveralls, waterproof gloves, shoes and socks, and protective eyewear.

AGRICULTURAL USE INSTRUCTIONS

GENERAL APPLICATION INSTRUCTIONS

Apply this product by various application methods, including foliar spray (aerial and ground), soil drench, soil incorporation and bare root dip. For foliar sprays, apply this product with sufficient water volumes for adequate coverage of foliage, according to crop and growth stage.

Make applications prior to disease development in conjunction with good cultural management practices. Do not exceed the use rates or apply more frequently than the specified interval or plant injury can occur. Do not apply to plants that are heat or moisture stressed. Allow foliage to dry completely after application. Do not apply when conditions favor wet plant tissues for prolonged periods (>4 hours).

MIXING INSTRUCTIONS

1. Fill the spray tank with $\frac{1}{2}$ to $\frac{3}{4}$ of the required volume of water before adding the product.
2. Add the product slowly to the tank and agitate by hydraulic or mechanical means.
3. Continue to fill the tank with water to the desired volume while agitating.
4. Continue agitation when applying.

COMPATIBILITY

This product is compatible with most products used in agriculture. However, crop sensitivity to these mixtures may vary. If these combinations or others have not been previously used, do not tank mix without first testing the mixture's compatibility nor apply it without assessing its safety to the crop (Phytotoxicity).

[] – Optional label claims
{ } – Note to the reviewer

The use of spray adjuvants (i.e. stickers, spreaders, wetting agents) will enhance this products performance. If an adjuvant is used with this product, test before use for compatibility. Do not use strongly acidifying compatibility agents.

To determine the compatibility of this product with other products, use a jar compatibility test. Add the correct proportions of each product and the appropriate quantity of water to clean container, thoroughly mix, then let stand for 3-5 minutes. If the mixture remains in solution or can be remixed readily, the products are considered compatible.

To determine if a combination is phytotoxic to a specific crop, spray a few plants/trees/vines, then evaluate 3-7 days later for visual effects.

CHEMIGATION: Apply this product only through the following types of systems: sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, and hydroponic solutions. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS: Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water system must contain a functional, reduced pressure zone (RPZ) backflow preventer or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

[] – Optional label claims
{ } – Note to the reviewer

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops or, in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Use a pesticide supply tank that is equipped with a means for continuous agitation either by recirculation or a mechanical agitator. Charge the supply tank with the appropriate amount of water and add the pesticide slowly followed by any sticker-spreaders, insecticides, nutrients, etc. Observe all directions, cautions and limitations on the label of the product(s) being mixed.

For fixed position irrigation systems, apply the pesticide towards the end of the irrigation period. Exact timing will depend on the desired pesticide application rate and calibration of the system. Apply the pesticide continuously through irrigation systems that move and do not irrigate the same or fixed area during the irrigation cycle.

Complete the pesticide injection in sufficient time to allow the pesticide to be completely flushed out of the irrigation system before the system is shut down.

GENERAL HYDROPONIC APPLICATION{†}

| | | | |
|--|---|---|---|
| General Root Rots (<i>Pythium</i> , <i>Phytophthora</i>) | For use with plants grown in recirculating hydroponic systems to aid in the control of pathogens. | Add 1-3 quarts [(1-3 L)] Fungi-Phite Ca per 5,000 gallons [(20,000 L)] nutrient solution. | Repeat every 4-6 weeks in summer and every eight weeks in winter. Depending on crop load and the water quality, the application time interval may be reduced. |
|--|---|---|---|

{†Not registered for use in CA unless accompanied by a supplemental label.}

Note: For Recirculating (i.e. closed systems) use only.

[] – Optional label claims
 { } – Note to the reviewer

AVOCADO

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|---|----------------------------|--|---|
| Canker (<i>Phytophthora citricola</i>) | Trunk Spray | Mix 1.5-3 quarts [(3.5-7 L)] in 5 gallons [(20 L)] of water. Add 0.25% wetting agent to the solution. | Apply to trunk lesions using enough spray volume to thoroughly wet the lesions. In the absence of lesions, apply to the trunk from the soil line to about two feet up the trunk. Use the higher rate when lesions are present. Apply one time in the Spring, Summer and Fall. |
| Root Rot (<i>Phytophthora cinnamomi</i>) | Foliar Spray Aerial: | Apply 1.5-3 quarts/acre [(3.5-7 L/ha)] in a minimum of 20 gallons/acre [(190 L/ha)] of water. | Apply up to 6 applications per year at 4-8 week intervals at the start of the growing season. |
| | Ground: | Apply 3 quarts/acre [(7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |
| | Chemigation Low Volume: | Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | Apply one time in the Spring, Summer and Fall. |
| {†}Suppression** of Powdery Mildew | Foliar Spray Ground: | Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. [Fungi-Phite Ca is most effectively applied to control powdery mildew when tank mixed with other registered fungicides.] | Apply at the first onset of the disease and repeat at 7-10 day intervals until disease abatement. |

{†}Not registered for use in CA unless accompanied by a supplemental label.

{†}BANANA

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|--|-------------------------|---|---|
| Suppression** of Root Rot Complex and Sigatoka | Foliar Spray Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)]. At the low rate, use 3 gallons/acre [(25 L/ha)] of water and at the high rate, use 6 gallons/acre [(50 L/ha)] of water. | Apply every 4 weeks as needed. |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 15 gallons/acre [(150 L/ha)] of water. | |
| | Chemigation | Apply 2-3 quarts/acre [(5-7 L/ha)] in at least 100 gallons/acre [(1,000 L/ha)] of water. | Apply 4 times per year. |
| Suppression** of Bunch Diseases | Foliar Spray | Mix a 0.75-1% v/v spray solution (4 fl oz/10 gallons of water or [300 ml/L] of water). | Apply a full cover spray to the fruit bunches when the flower rachis are fully expanded (approximately at bunch cover) and again 14 days later. |

{†}Not registered for use in CA unless accompanied by a supplemental label.

[] – Optional label claims
 { } – Note to the reviewer

BERRY CROPS, such as:

Blackberry, Bingberry, Black Satin Berry, Boysenberry, Cherokee Blackberry, Blueberry, Chesterberry, Cheyenne Blackberry, Coryberry, Darrowberry, Dewberry, Dirksen Thornless Berry, Elderberry, Himalayaberry, Hullberry, Lavacaberry, Loganberry, Lowberry, Lucretiaberry, Mammoth Blackberry, Marionberry, Nectarberry, Olallieberry, Oregon Evergreen Berry, Mulberry, Huckleberry, Cranberry, Youngberry, Boysenberry, and Raspberry

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|---|--------------------------|---|---|
| <i>Phytophthora</i> and <i>Pythium spp.</i> | Foliar Spray Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 20 gallons/acre [(190 L/ha)] of water. | Begin applications in the Spring after bud break (1-3 inches of new growth) and when conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply lower rate at 2-3 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program* : Apply higher rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |
| | Root Dip | Mix a 3% v/v solution (1.5 quarts/10 gallons of water or [(2.5 L/40 L)] of water). | Apply as pre-plant dip to the roots for 5 seconds. Plant within 48 hours after dipping. Mix a fresh solution daily. |
| | Chemigation Overhead: | Apply 1-3 quarts/acre [(2.5-7L/ha)] in a minimum of 1,000 gallons/acre [(9,350 L/ha)] of water. | Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 4 times per crop cycle. |
| | Low Volume: | Apply 2- quarts/acre [(5L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |
| Downy Mildew | Foliar Spray Aerial: | Apply 1-2 quarts/acre [(2.5-5L/ha)] in a minimum of 20 gallons/acre [(190 L/ha)] of water. | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Ground: | Apply 1-2 quarts/acre [(2.5-5 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |
| Suppression** of General Leaf and Berry Diseases such as those caused by <i>Septoria spp</i> and <i>Anthraco nose spp.</i> | Foliar Spray Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 20 gallons/acre [(190 L/ha)] of water. | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |
| | | | Ideally Fungi-Phite Ca is best used in combination with conventional registered fungicides to increase the performance of the disease control program. |

[] – Optional label claims
 { } – Note to the reviewer

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|--|-----------------------------|--|--|
| {†}[Suppression** of Powdery Mildew] | [Foliar Spray] [Aerial:] | [Apply 1.5-2 quarts/acre [(3.5-5 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water.] | [Low Disease Pressure*: Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle.] [High Disease Pressure*: Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.] |
| | [Ground:] | [Apply 1.5-2 quarts/acre [(3.5-5 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. Fungi-Phite Ca is most effectively applied to control powdery mildew when tank mixed with other registered fungicides.] | |

{†Not registered for use in CA unless accompanied by a supplemental label.}

BULB VEGETABLE CROPS, such as:

Garlic, Leek, Onion (dry bulb and green), Onion (Welch) and Shallot

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|--|------------------------------------|---|--|
| <i>Phytophthora</i> and <i>Pythium spp.</i> {†}Suppression** of Bacterial Diseases | Foliar Spray | Apply 1-3 quarts/acre [(2.5-7L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | Begin applications after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program* : Apply higher rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. |
| | Aerial: | | |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. | Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle. |
| | Transplant and Furrow Application: | Apply 4 pints at planting or to newly planted seedling by side dressing or shank application. | |
| | Chemigation Overhead: | Apply 1-3 quarts/acre [(2.5-7L/ha)] in a minimum of 1,000 gallons/acre [(9,350 L/ha)] of water. | |
| Downy Mildew | Low Volume: | Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 10-14 day intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Foliar Spray Aerial: | Apply 1-3 quarts/acre [(2.5-7L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. | |

{†Not registered for use in CA unless accompanied by a supplemental label.}

[] – Optional label claims
 { } – Note to the reviewer

BRASSICA CROPS, such as:

Broccoli, Broccoli Raab (Rapini), Brussels Sprouts, Cabbage, Chinese Broccoli (Gai Lon), Chinese Cabbage (Bok Choy), Chinese Cabbage (Napa), Chinese Mustard Cabbage (Ga Choy), Cauliflower, Cavalo Broccolo, Collards, Kale, Kohlrabi, Mizunna, Mustard Greens, Mustard Spinach and Rape Greens

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|--|---------------------------------------|--|--|
| Root Rots and Damping Off (<i>Phytophthora</i> and <i>Pythium spp.</i>) {†}Suppression** of Bacterial Diseases | Foliar Spray | | Begin applications after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program* : Apply higher rate at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Aerial: | Apply 1-3 quarts/acre [(2.5-7L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. | |
| | Pre Plant Seedling Nursery treatment: | Apply 1 qt/100 gallons water to nursery plants in seedling trays 1-7 days prior to out planting. | |
| | Transplant and Furrow Application: | Apply 1.5 quarts/acre (3.5 L/ha) at planting or to newly planted seedling by side dressing or shank application. | |
| | Chemigation Overhead: | Apply 1-3 quarts/acre [(2.5-7L/ha)] in a minimum of 1,000 gallons/acre [(9,350 L/ha)] of water. | Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle. |
| | Low Volume: | Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |
| Downy Mildew | Foliar Spray | | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Aerial: | Apply 1-3 quarts/acre [(2.5-7L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. | |
| {†}Suppression** of [Powdery Mildew,] Leaf Diseases caused by <i>Septoria</i> , <i>Colletotrichum</i> , and <i>Alternaria</i> | Foliar Spray | | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. | |

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[] – Optional label claims
 { } – Note to the reviewer

CEREAL GRAINS, FORAGE AND FIBER CROPS, such as:

Alfalfa, Barley, Buckwheat, Clover (all types), Corn (all types), Cotton, Hay, Kudzu, Lespedeza, Lupin, Millet, Oats, Popcorn, Rice, Rye, Sainfoin, Sorghum, Sugarcane, Teosinte, Trefoil, Triticale, Vetch, Wheat and Wild Rice

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|---|--------------------------|---|---|
| <i>Phytophthora</i> and <i>Pythium spp.</i> {†}Suppression** of <i>Fusarium spp.</i> , <i>Rhizoctonia spp.</i> , and Head Diseases | Foliar Spray Aerial: | Apply 0.5-2 quarts/acre (1.5-5 L/ha) in a minimum of 15 gallons/acre [(140 L/ha)] of water. | Begin application after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply lower rate at 2-4 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program* : Apply higher rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. |
| | Ground: | Apply 0.5-3 quarts/acre (1.5-7 L/ha) in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |
| | Chemigation Overhead: | Apply 1-3 quarts/acre [(2.5-7L/ha)] in a minimum of 1,000 gallons/acre [(9,350 L/ha)] of water. | Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle. |
| Downy Mildew | Low Volume: | Apply 2-4 quarts/acre [(5-9 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |
| | Foliar Spray Aerial: | Apply 1-3 quarts/acre [(2.5-7L/ha)] in a minimum of 15 gallons/acre [(140 L/ha)] of water. | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| {†}Suppression** of Powdery Mildew | Ground: | Apply 1-3 quarts/acre [(2.5-7L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |
| | Foliar Spray Aerial: | Apply 1-3 quarts/acre [(2.5-7L/ha)] in a minimum of 15 gallons/acre [(140 L/ha)] of water. | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |

{†}Not registered for use in CA unless accompanied by a supplemental label.}

[] – Optional label claims
 { } – Note to the reviewer

CITRUS CROPS, such as:

Calamondin, Citrus Citron, Citrus Hybrids, Clementines, Grapefruit, Kumquat, Lemon, Lime, Mandarin, Orange (Sour), Orange (Sweet), Pummelo and Satsuma Mandarin

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|--|------------------------------------|---|---|
| Root, Trunk and Crown Rots (<i>Phytophthora spp.</i>) | Foliar Spray Aerial: | Apply 2 quarts/acre [(5 L/ha)] in a minimum of 15 gallons/acre [(140 L/ha)] of water. | Apply 3-4 times per year during the Spring, Summer, and Fall when conditions favor disease development. |
| | Ground: | Apply 2 quarts/acre [(5 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |
| | Chemigation Low Volume: | Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | Apply with normal irrigation schedule. Follow Foliar Spray APPLICATION PROGRAM as stated above. Do not apply more than 4 times per crop cycle. |
| | Trunk and Scaffold Branches Spray: | Mix 1-3 quarts [(2.5-7 L)] in 5 gallons [(20 L)] of water and apply with a wetting agent or adjuvant on and around the affected area. | Use higher rates when lesions are present. Clean the wound site and apply on and around the lesions using enough spray volume to thoroughly wet the lesions. In the absence of lesions, use the lower rate and apply to the trunk from the soil line to 2 feet up the trunk. Apply in Spring, Summer, and Fall. |
| {†}Suppression** of Pre-Harvest Blue and Green Mold & Brown Rot (<i>Phytophthora citricola</i>) | Foliar Spray Ground: | Apply 2 quarts/acre [(5 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | Apply 2-4 weeks prior to harvest. Ensure that fruit is thoroughly covered by the spray application. |
| [Downy Mildew] | [Foliar Spray] [Aerial:] | [Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water.] | [Apply at 2-3 week intervals and repeat as needed.] |
| | [Ground:] | [Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water.] | |
| {†}[Suppression** of Powdery Mildew] | [Foliar Spray] [Aerial:] | [Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water.] | [Apply at 2-3 week intervals and repeat as needed.] |
| | [Ground:] | [Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water.] | |
| | | [Fungi-Phite Ca is most effectively applied to control downy mildew when tank mixed with other registered fungicides.] | |

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[] – Optional label claims
 { } – Note to the reviewer

COCONUTS

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|---|--------------------|---|---|
| Bud Rot, Trunk Cankers and Root Rot (<i>Phytophthora</i> and <i>Pythium spp.</i>) | Soil Drench: | Apply 100 ml of a 3% v/v solution in a 1 foot (0.3 M) swath around the base of each tree. | Curative: Apply every 3 months. Preventative: Apply once per year. |
| | Stem Injection: | Mix a 15% v/v solution (20 fl oz/gallon or [(150 ml/liter)]). | Inject (according to injection equipment instructions) 0.5 fl oz (15 ml) of the diluted Fungi-Phite Ca solution into the tree trunk. Curative: Inject 2 times per year in the Spring and Fall. Preventative: Inject 1 time in the Spring. |

[] – Optional label claims
 { } – Note to the reviewer

CUCURBIT CROPS, such as:

Chinese Waxgourd, Citron Melon, Cucumber, Gherkin, Gourd (edible), *Momordica spp.* (Balsam Apple, Balsam Pear, Biter Melon, Chinese Cucumber), Muskmelon, Pumpkin, Summer and Winter Squash and Watermelon

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|---|---|--|--|
| Root Rots and Damping Off (<i>Phytophthora</i> and <i>Pythium spp.</i>) | Foliar Spray | | |
| | Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | Begin applications after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program* : Apply higher rate at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. | |
| | Pre-Plant Seedling Nursery Application: | Apply 1 qt/100 gallons water to nursery plants in seedling trays 1-7 days prior to out planting. | |
| | Transplant and Furrow Application: | Apply 3 pints at planting or to newly planted seedling by side dressing or shank application. | |
| | Chemigation Overhead: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 1,000 gallons/acre [(9,350 L/ha)] of water. | |
| Downy Mildew | Low Volume: | Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle. |
| | Foliar Spray | | |
| | Aerial: | Apply 1-3 quarts/acre [(2.5-7L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | |
| {t}Suppression** of Powdery Mildew and other Leaf Diseases such as Anthracnose and Alternaria Leaf Blight | Ground: | Apply 1-3 quarts/acre [(2.5-7L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. Fungi-Phite Ca is most effectively applied to control downy mildew when tank mixed with other registered fungicides. | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Foliar Spray | | |
| | Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. | |

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[] – Optional label claims
 { } – Note to the reviewer

FRUITING VEGETABLE CROPS (Except Cucurbits), such as:
 Pepino, Pepper (Bell, Chili, Cooking, Pimento, Sweet), Tomatillo, Tomato and Eggplant

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|---|---|--|---|
| Damping Off and Root Rots (<i>Phytophthora</i> and <i>Pythium spp.</i>) {†}Suppression** of Bacterial Diseases | Foliar Spray | | Begin applications after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program* : Apply higher rate at 7-10 day intervals. Do not apply more than 6 times per crop cycle. For control of Bacterial leaf spot of Tomato, apply the high rate of Fungi-Phite Ca with registered bactericides. |
| | Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. | |
| | Pre-Plant Seedling Nursery Application: | Apply 1 qt/100 gallons water to nursery plants in seedling trays 1-7 days prior to out planting. | |
| | Transplant and Furrow Application: | Apply 3 pints at planting or to newly planted seedling by side dressing or shank application. | |
| | Chemigation Overhead: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 1,000 gallons/acre [(9,350 L/ha)] of water. | Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle. |
| | Low Volume: | Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |
| Downy Mildew | Foliar Spray | | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. | |
| {†}Suppression** of Powdery Mildew and other Leaf Diseases such as Anthracnose and Alternaria Leaf Blight | Foliar Spray | | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. | |

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[] – Optional label claims
 { } – Note to the reviewer

GRAPES

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|--|--|---|--|
| Root Rots (<i>Phytophthora</i> and <i>Pythium spp.</i>) | Foliar Spray Aerial: Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 15 gallons/acre [(140 L/ha)] of water. Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 50 gallons/acre [(470 L/ha)] of water. | Apply to vines that have stressed root system that can lead to root rots. Mitigating factors such as nematode pressure, water logging and compaction contribute to vine declines. Table Grapes: Begin applications in the Spring at the 4-6 inch shoot stage. Continue applications at 1-2 week intervals until flowering. Resume applications in the Fall after harvest. Do not apply more than 4 times per crop cycle. Wine and Raisin Grapes: Begin applications in the Spring at the 4-6 inch shoot stage. Continue applications at 1-2 week intervals through flowering. Do not apply more than 4 times per crop cycle. |
| Downy Mildew | Foliar Spray Aerial: Ground: | Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 15 gallons/acre [(140 L/ha)] of water. Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 50 gallons/acre [(470 L/ha)] of water. [Fungi-Phite Ca is most effectively applied to control downy mildew when tank mixed with other registered fungicides.] | Begin applications at bud break with additional applications made at 7-10 day intervals in rotational programs with other labeled fungicides. Use higher rates and volumes based on disease severity and density of canopy. Do not apply more than 6 times per crop cycle. |
| {†}Suppression** of Powdery Mildew | Foliar Spray Aerial: Ground: | Apply 1.5-2 quarts/acre [(3.5-5 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. Apply 1.5-2 quarts/acre [(3.5-5 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. [Fungi-Phite Ca is most effectively applied to control powdery mildew when tank mixed with other registered fungicides.] | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |

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[] – Optional label claims
 { } – Note to the reviewer

HERB AND SPICE CROPS, such as:

Allspice, Angelica, Anise, Annatto, Balm, Basil, Borage, Burnet, Chamomile, Caper Buds, Caraway, Cardamom, Cassia (bark and buds), Catnip, Celery Seed, Chervil, Chive, Cinnamon, Clary, Clove, Cocoa, Coriander, Costmary, Cilantro, Cumin, Curry, Dill, Fennel, Fenugreek, Ginseng, Grains of Paradise, Horehound, Horseradish, Hyssop, Juniper Berry, Lavender, Lemongrass, Lovage, Mace, Marigold, Marjoram, Mint, Mustard, Nasturtium, Nutmeg, Parsley, Pennyroyal, Pepper, Poppy seed, Rosemary, Rue, Saffron, Sage, Savory, Sweet Bay, Tansy, Tarragon, Thyme, Vanilla, Wasabi, Wintergreen, Woodruff and Wormwood

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|--|------------------------------------|--|---|
| Root Rots and Damping Off (<i>Phytophthora</i> and <i>Pythium spp.</i>) {†}Suppression** of <i>Fusarium spp.</i> and <i>Rhizoctonia spp.</i> | Foliar Spray Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | Begin application after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program* : Apply higher rate at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. | |
| | Pre-Plant Nursery Treatment: | Apply 1 qt/100 gallons water to nursery plants in seedling trays 1-7 days prior to out planting. | |
| | Transplant and Furrow Application: | Apply 3 pints at planting or to newly planted seedling by side dressing or shank application. | |
| | Chemigation Overhead: | Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 1,000 gallons/acre [(9,350 L/ha)] of water. | Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle. |
| | Low Volume: | Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |
| Downy Mildew | Foliar Spray Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. | |
| {†}Suppression** of Powdery Mildew | Foliar Spray Aerial: | Apply 1.5-2 quarts/acre [(3.5-5 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Ground: | Apply 1.5-2 quarts/acre [(3.5-5 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. | |

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[] – Optional label claims
 { } – Note to the reviewer

{†}HOPS

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|--------------------------------------|--|--|--|
| Downy Mildew | Foliar Spray Aerial: Ground: | Apply 1-3 quarts/acre [(2.5-7L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. Apply 1-3 quarts/acre [(2.5-7L/ha)] in a minimum of 25 gallons/acre [(235 L/ha)] of water. | Make applications during favorable disease development conditions; 1) when shoots are 6-12 inches high; 2) after training when vines are 5-6 feet tall; 3) about 3 weeks after the second application; and 4) during bloom. During periods of high disease pressure, apply at 7-10 day intervals until disease abatement. Do not apply more than 6 applications per season. |
| {†}[Suppression** of Powdery Mildew] | [Foliar Spray] [Aerial:] [Ground:] | [Apply 1.5-3 quarts/acre [(3.5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water.] [Apply 1.5-3 quarts/acre [(3.5-7L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water.] [Fungi-Phite Ca is most effectively applied to control powdery mildew when tank mixed with other registered fungicides.] | [Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle.] [High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.] |

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[] – Optional label claims
 { } – Note to the reviewer

LEAFY VEGETABLE CROPS (Except Brassica Vegetables), such as:

Amaranth, Arugula (Roquette), Cardoon, Celery, Celery (Chinese), Celtuce, Chervil, Chrysanthemum (Edible Leaved, Garland), Corn Salad, Cress (Garden, Upland), Dandelion, Dock (Sorrel), Endive (Escarole), Fennel (Florence), Lettuce (Head and Leaf), Orach, Parsley, Purslane (Garden and Winter), Radicchio (Red Chicory), Rhubarb, Spinach, Spinach (New Zealand and Vine) and Swiss Chard

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|---|------------------------------------|---|---|
| Damping Off and Root Rots (<i>Phytophthora</i> and <i>Pythium spp.</i>) | Foliar Spray | | Begin application after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program* : Apply higher rate at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. | |
| | Pre-Plant Nursery Application: | Apply 1 qt/100 gallons water to nursery plants in seedling trays 1-7 days prior to out planting. | |
| | Chemigation Overhead: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 1,000 gallons/acre [(9,350 L/ha)] of water. | Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle. |
| | Low Volume: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |
| | Transplant and Furrow Application: | Apply 3 pints at planting. | |
| Downy Mildew | Foliar Spray | | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. | |
| {†}Suppression** of Powdery Mildew and Leaf Diseases such as Anthracnose (<i>Colletotrichum spp.</i>), Leaf Blights (<i>Septoria</i> & <i>Cercospora spp.</i>) and Bacterial Rots (<i>Erwinia spp.</i>) | Foliar Spray | | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. [Fungi-Phite Ca is most effectively applied to control powdery mildew when tank mixed with other registered fungicides.] | |

{†}Not registered for use in CA unless accompanied by a supplemental label.}

[] – Optional label claims
 { } – Note to the reviewer

LEGUME CROPS (Except Brassica Vegetables), such as:

Legume Vegetables (succulent or dried), Bean (Lupins, all), Bean (Field, Kidney, Lima, Navy, Pinto, Runner, Snap, Tepary and Wax), Bean (Adzuki, Asparagus, Blackeyed, Catjang, Chinese Longbean, Cowpea, Crowder Pean, Moth, Mung, Rice, Southern Pea, Urd, Yardlong), Broad Bean (Fava), Chickpea (Garbanzo), Guar, Jackbean, Lablab Bean, Lentil, Pea (Dwarf, Edible-Pod, English, Field, Garden, Green, Snow, Sugar Snap), Pigeon Pea, Soybean and Sword Bean

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|---|------------------------------------|--|--|
| <i>Phytophthora</i> and <i>Pythium spp.</i> {†}Suppression** <i>Fusarium spp.</i> and <i>Rhizoctonia spp.</i> | Foliar Spray | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | Begin applications after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program* : Apply higher rate at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Aerial: | | |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. | |
| | Pre-Plant Nursery Application: | Apply 1 qt/100 gallons water to nursery plants in seedling trays 1-7 days prior to out planting. | |
| | Transplant and Furrow Application: | Apply 3 pints at planting or to newly planted seedling by side dressing or shank application. | |
| | Chemigation Overhead: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 1,000 gallons/acre [(9,350 L/ha)] of water. | Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle. |
| | Low Volume: | Apply 2-4 quarts/acre [(5-9 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |
| | Transplant and Furrow Application: | Apply 3 pints at planting. | |
| Downy Mildew | Foliar Spray | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Aerial: | | |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. | |

[] – Optional label claims
 { } – Note to the reviewer

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|--|--|---|--|
| {†}Suppression** of Powdery Mildew and Leaf Diseases such as Anthracnose (<i>Colletotrichum spp.</i>), Leaf Blights (<i>Septoria</i> & <i>Cercospora spp.</i>) and Bacterial Rots (<i>Erwinia spp.</i>) | Foliar Spray Aerial: Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. [Fungi-Phite Ca is most effectively applied to control powdery mildew when tank mixed with other registered fungicides.] | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |

{†Not registered for use in CA unless accompanied by a supplemental label.}

[] – Optional label claims
 { } – Note to the reviewer

MISCELLANEOUS FOOD CROPS, such as:

Asparagus, Cacao, Coffee, Corn (all types), Guava, Carambola, Lychee, Langan, Wax apple, Okra, Papaya, Persimmons, Purslane and Sugarbeet

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|--|------------------------------------|--|---|
| <i>Phytophthora</i> and <i>Pythium spp.</i> {t}Suppression** of Bacterial and Leaf Diseases such as Coffee Berry Disease, (<i>Colletotrichum spp.</i>), Anthracnose (<i>Colletotrichum spp.</i>), and Various Leaf Spots (<i>Septoria</i> and <i>Cercospora spp.</i>) | Foliar Spray Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | Begin application after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program*: Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program*: Apply higher rate at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 100 gallons/acre [(280 L/ha)] of water. | |
| | Root Dip: | Mix a 0.25% v/v solution (1/3 fl oz/1 gallon of water or [(2.5 ml/L)] of water). | Apply as pre-plant dip to transplants immediately prior to planting. Dip plants momentarily and plant within 48 hours. Mix a fresh solution daily. |
| | Chemigation Overhead: | Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 1,000 gallons/acre [(9,350 L/ha)] of water. | Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle. |
| | Low Volume: | Apply 2-4 quarts/acre [(5-9 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |
| | Transplant and Furrow Application: | Apply 3 pints at planting or to newly planted seedling by side dressing or shank application. | |
| Pruning Wound and Trunk Canker (<i>Phytophthora spp.</i>) | Trunk Spray: | Mix 1-3 quarts with 5 gallons of water [(2.5-7 L with 50 L water)]. | Use higher rates when lesions are present. Clean the wound site and apply on and around the lesions using enough spray volume to thoroughly wet the lesions. In the absence of lesions, use the lower rate and apply to the trunk from the soil line to 2 feet up the trunk. Apply in Spring, Summer, and Fall. |
| Downy Mildew | Foliar Spray Aerial: | Apply 1- quarts/acre [(2.5 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | Low Disease Pressure*: Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure*: Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |

[] – Optional label claims
 { } – Note to the reviewer

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|---------------------------------------|-------------------------|--|--|
| {†}Suppression** of Powdery Mildew | Foliar Spray Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |

{†Not registered for use in CA unless accompanied by a supplemental label.}

OIL CROPS, such as:

Canola (Oil Seed Rape), Cotton, Safflower, Sunflower, Corn, Palm Oil and Betel Nut

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|--|--------------------------|--|---|
| <i>Phytophthora</i> and <i>Pythium spp.</i> {†}Suppression** of Bacterial and Leaf Diseases such as, Anthracnose (<i>Colletotrichum spp.</i>), and Various Leaf Spots (<i>Septoria</i> and <i>Cercospora spp.</i>) | Foliar Spray Aerial: | Apply 1-3 quart/acre [(2.5-7 L/ha)] in a minimum of 15 gallons/acre [(140 L/ha)] of water. | Begin application after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program* : Apply higher rate at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Ground: | Apply 1-3 quart/acre [(2.5-7 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. | |
| | Chemigation Overhead: | Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 1,000 gallons/acre [(9,350 L/ha)] of water. | Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle. |
| | Low Volume: | Apply 2-4 quarts/acre [(5-9 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |
| Downy Mildew | Foliar Spray Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. | |
| {†}Suppression** of Powdery Mildew | Foliar Spray Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |

{†Not registered for use in CA unless accompanied by a supplemental label.}

[] – Optional label claims
 { } – Note to the reviewer

PEANUTS

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|---|--|---|---|
| Root Rots, Pod Rots, Damping Off, Wilt, (<i>Phytophthora</i> and <i>Pythium spp.</i>) {†}Suppression** of Leaf and Crown Diseases, Anthracnose (<i>Colletotrichum spp.</i>) | Foliar Spray Aerial: Ground: Transplant and Furrow Application: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. Apply 1-3 quarts/acre [(2.5-7L/ha)] in a minimum of 100 gallons/acre [(280 L/ha)] of water. Apply 3 pints at planting or to newly planted seedlings by side/top dressing or shank application. | Begin application after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program* : Apply higher rate at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |

{†}Not registered for use in CA unless accompanied by a supplemental label.}

{†}PINEAPPLE

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|--|----------------------------|--|--|
| Heart Rot and Root Rot (<i>Phytophthora spp.</i>) | Dip | Mix a 0.5% v/v solution (2 quart/100 gallons of water or [(2 L/400 L)] of water). | Immerse planting material in solution for 1 minute prior to planting. |
| | Foliar Spray Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 15 gallons/acre [(140 L/ha)] of water. | Preventative: Apply every 4-6 months. Curative: Apply every 2-3 months. |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 200 gallons/acre [(1,870 L/ha)] of water. | |
| | Chemigation Low Volume: | Apply 2.5 quarts/acre [(7 L/ha)] in a minimum of 500 gallons/acre [(4,650 L/ha)] of water. | Apply 4 times per year during the Spring, Summer and Fall. |

{†}Not registered for use in CA unless accompanied by a supplemental label.}

[] – Optional label claims
 { } – Note to the reviewer

POME FRUIT CROPS, such as:

Apple, Crabapple, Loquat, Mayhaw, Pear, Asian Pear and Quince

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|--|-----------------------------|--|---|
| Root Rot, Collar rot, Foot Rot and Trunk Cankers (<i>Phytophthora</i> and <i>Pythium spp.</i>) {t}Suppression** of Blister Spot, Blue and Green Mold, Alternaria Blotch, Blister Spot and Pear Black Spot | Chemigation Overhead: | Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 1,000 gallons/acre [(9,350 L/ha)] of water. | Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle. |
| | [Low Volume Irrigation:] | [Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water.] | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. |
| | [Foliar Spray] [Aerial:] | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 days intervals. Do not apply more than 6 times per crop cycle. |
| | [Ground:] | [Apply 1.5-3 quarts/acre [(3.5-7 L/ha)] in a minimum of 20 gallons/acre [(190 L/ha)] of water.] | Apply during active plant growth. Commence from flowering for Fire blight suppression in combination with registered antibiotics. |
| | [Trunk Spray] | [Mix 1.5-3 quarts with [(3.5-7 L)] in 5 gallons [(20 L)] of water. Add 0.25% wetting agent to the solution.] | [Apply to trunk lesions using enough spray volume to thoroughly wet the lesions. In the absence of lesions, apply to the trunk from the soil line to about two feet up the trunk. Use the higher rate when lesions are present. Apply one time in the Spring, Summer and Fall.] |
| | [Foliar Spray] [Aerial:] | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 20 gallons/acre [(190 L/ha)] of water. | Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle. |
| | [Ground:] | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. |
| | | | High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 days intervals. Do not apply more than 6 times per crop cycle. Apply during active plant growth. Commence from flowering for Fire blight suppression in combination with registered antibiotics. |
| {t}Suppression** of Powdery Mildew | Foliar Spray | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 20 gallons/acre [(190 L/ha)] of water. | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. |
| | Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 20 gallons/acre [(190 L/ha)] of water. | High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 days intervals. Do not apply more than 6 times per crop cycle. |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |

[] – Optional label claims
 { } – Note to the reviewer

| | | | |
|--------------------------------------|---------------------------|--|---|
| {†}[Suppression** of Fire Blight] | [Foliar Spray Ground:] | [Apply at 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 25 gallons/acre [(235 L/ha)] of water.] [Fungi-Phite Ca is most effectively applied to control fire blight when tank mixed with other registered bactericides.] | [Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle.] [High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 days intervals. Do not apply more than 6 times per crop cycle.] |
|--------------------------------------|---------------------------|--|---|

{†}Not registered for use in CA unless accompanied by a supplemental label.}

[] – Optional label claims
 { } – Note to the reviewer

POTATOES

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|--|--------------------------|--|---|
| Pink Rot, <i>Pythium</i> Leak (<i>Phytophthora infestans</i> , <i>Phytophthora erythroseptica</i> and <i>Pythium spp.</i>) Suppression** of Late Blight | Foliar Spray Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 20 gallons/acre [(190 L/ha)] of water. | Begin application after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program* : Apply higher rate at 7-10 day intervals. Do not apply more than 6 times per crop cycle. **Late Blight management using Fungi-Phite Ca requires the high application rate and is most effectively applied when tank mixed with other registered fungicides. |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 50 gallons/acre [(470 L/ha)] of water. | |
| | Chemigation Overhead: | Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 1,000 gallons/acre [(9,350 L/ha)] of water. | Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 4 times per crop cycle. |
| | Low Volume: | Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |
| | Seed Piece Spray: | Mix a 15% v/v solution (0.3 quart/2 quarts of water or [(0.3 L/2 L)] of water). Treat 2 tons of tubers with 1 gallon of solution. | Treat seed pieces with a full coverage spray. |
| {t}Suppression** of Powdery Mildew | Foliar Spray Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 20 gallons/acre [(190 L/ha)] of water. | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 4 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 4 times per crop cycle. |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 50 gallons/acre [(470 L/ha)] of water. | |

{†Not registered for use in CA unless accompanied by a supplemental label.}

[] – Optional label claims
 { } – Note to the reviewer

ROOT AND TUBER VEGETABLE CROPS, such as:

Arracacha, Arrowroot, Artichoke (all types), Beet (all types), Burdock, Canna, Carrot, Cassava, Celeriac, Chayote, Chervil (turnip-rooted), Chicory, Chufa, Cinchoca, Dasheen, Ginger, Ginseng, Horseradish, Leren, Parsley (turnip-rooted), Parsnip, Radish (all types), Rutabaga, Salisify (all types), Skirret, Sweet Potato, Tanier, Turmeric, Turnip, Yam (all types)

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|--|---|--|---|
| <i>Phytophthora</i> and <i>Pythium spp.</i> [†]Suppression** of Foliar and Bacterial Diseases | Foliar Spray | | Begin application after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program*: Apply lower rate at 1-2 week intervals. Do not apply more than 6 times per crop cycle. Disease Control/High Pressure Program*: Apply higher rate at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water. | |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water. | |
| | Pre-Plant Nursery Seedling Application: | Apply 1 qt/100 gallons water to nursery plants in seedling trays 1-7 days prior to out planting. | |
| | Root and Tuber Dip | Mix a 0.5% v/v solution (2 quarts/100 gallons of water or [(0.5 L/100 L)] of water). | |
| | Chemigation Overhead: | Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 1,000 gallons/acre [(9,350 L/ha)] of water. | |
| Downy Mildew | Low Volume: | Apply 2-4 quarts/acre [(5-9 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | Apply with normal irrigation schedule beginning at the 4-6 true leaf stage. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle. |
| | Transplant and Furrow Application: | Apply 3 pints at planting or to newly planted seedling by side dressing or shank application. | |
| | | | |
| [†][Suppression** of Powdery Mildew] | Foliar Spray | | [Low Disease Pressure*]: Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 4 times per crop cycle. [High Disease Pressure*]: Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 4 times per crop cycle.] |
| | Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 20 gallons/acre [(190 L/ha)] of water.] | |
| | [Ground:] | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 50 gallons/acre [(470 L/ha)] of water.] | |

{†Not registered for use in CA unless accompanied by a supplemental label.}

[] – Optional label claims
 { } – Note to the reviewer

STONE FRUIT CROPS, such as:

Apricot, Cherry, Nectarine, Peach, Plum, Plumcot, Prune [and Pluot]

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|--|------------------------------------|---|--|
| Root Rot, Crown rot, Collar Rot and Foot Rot (<i>Phytophthora</i> and <i>Pythium spp.</i>) | Trunk and Scaffold Branches Spray: | Mix 1-3 quarts [(2.5-7 L)] in 5 gallons [(20 L)] of water and apply with a wetting agent or adjuvant on and around the affected area. | Use higher rates when lesions are present. Clean the wound site and apply on and around the lesions using enough spray volume to thoroughly wet the lesions. In the absence of lesions, use the lower rate and apply to the trunk from the soil line to 2 feet up the trunk. Apply in Spring, Summer, and Fall. |
| | Root Dip: | Mix a 0.25% v/v solution (1 quart/100 gallons of water or [(0.25 L/100 L)] of water). | Apply as pre-plant dip to the roots for 10 seconds. Plant within 48 hours after dipping. Mix a fresh solution daily. |
| | Chemigation Overhead: | Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 1,000 gallons/acre [(9,350 L/ha)] of water. | Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 4 times per crop cycle. |
| | Low Volume: | Apply 2-4 quarts/acre [(5-9 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | Apply during the active growing season a maximum of 4 times. |
| {t}Suppression** of Powdery Mildew and other Fungal and Bacterial Diseases such as Fire Blight, (<i>Erwinia spp.</i>) Scab (<i>Venturia spp.</i>) and Blister Spot (<i>Xanthomonas spp.</i>) | Foliar Spray | | |
| | Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 20 gallons/acre [(190 L/ha)] of water. | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-3 week intervals. Do not apply more than 4 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 1-3 week intervals. Do not apply more than 4 times per crop cycle. |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |

{†Not registered for use in CA unless accompanied by a supplemental label.}

[] – Optional label claims
 { } – Note to the reviewer

STRAWBERRY

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|--|------------------------------------|---|--|
| Red Stele, Leather Rot and Root Rot (<i>Phytophthora</i> and <i>Pythium spp.</i>) | Foliar Spray Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 20 gallons/acre [(190 L/ha)] of water. | Begin application during active plant growth. Repeat on a 2-4 week interval when conditions favor disease development. |
| {†}Suppression** of Foliar Fungal and Bacterial Diseases (<i>Anthraco</i> and <i>Rhizopus spp.</i> [and <i>Botrytis</i>].) | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 50 gallons/acre [(470 L/ha)] of water. | Perennial planting: Start Spring applications when the plants start active growth. Repeat application at 2-4 week interval if disease conditions persist or reoccur. |
| | Chemigation Overhead: | Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 1,000 gallons/acre [(9,350 L/ha)] of water. | |
| | Low Volume: | Apply 2-4 quarts/acre [(5-9 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | If using Red Stele susceptible varieties or if disease pressure is severe, use higher rates, shortest application time and maximum number of applications. Do not apply more than 6 times per crop cycle. Grey mold and Anthracnose suppression using Fungi-Phite Ca requires the use of the high application rates and is most effectively applied when tank mixed with other registered fungicides. |
| | Transplant and Furrow Application: | Apply 3 pints at planting or to newly planted seedling by side dressing or shank application. | |
| {†} <i>Phytophthora spp.</i> | Dip: | Mix a 0.25% v/v solution (1 quart/100 gallons of water or [(0.25 L/100 L)] of water). | Dip runners in the solution for 1-2 minutes. Plant within 48 hours. Mix a fresh solution daily. |
| Leather Rot (<i>Phytophthora cactorum</i>) | Foliar Spray Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 20 gallons/acre [(190 L/ha)] of water. | Start application at 10% bloom and early fruit set. Continue applications on a 7-14 day interval when conditions favor disease development. Under heavy disease pressure, use the higher rate and apply on a 7 day interval. Do not apply more than 6 times per crop cycle. |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 50 gallons/acre [(470 L/ha)] of water. | |
| {†}Suppression** of Powdery Mildew | Foliar Spray Aerial: | Apply 1-3 quart/acre [(2.5-7 L/ha)] in a minimum of 20 gallons/acre [(190 L/ha)] of water. | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 50 gallons/acre [(470 L/ha)] of water. [Fungi-Phite Ca is most effectively applied to control powdery mildew when tank mixed with other registered fungicides.] | |

{†}Not registered for use in CA unless accompanied by a supplemental label.}

[] – Optional label claims
 { } – Note to the reviewer

{†}TOBACCO

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|---|---|--|--|
| <i>Phytophthora</i> and <i>Pythium spp.</i> Root Rot and Damping Off Blue Mold (<i>Peronospora tabacina</i>) Black Shank (<i>P. parasitica</i>) and Root Declines | Foliar Spray | | |
| | Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 20 gallons/acre [(190 L/ha)] of water. | Begin application after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply lower rate at 4 week intervals. Do not apply more than 4 times per crop cycle. |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | Disease Control/High Pressure Program* : Apply higher rate at 2 week intervals. Do not apply more than 4 times per crop cycle. |
| | Pre-Plant Nursery Seedling Application: | Apply 1 qt/100 gallons water to nursery plants in seedling trays 1-7 days prior to out planting. | |
| | Chemigation Overhead: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 1,000 gallons/acre [(9,350 L/ha)] of water. | Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 4 times per crop cycle. |
| | Low Volume: | Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |

{†}Not registered for use in CA unless accompanied by a supplemental label.

[] – Optional label claims
 { } – Note to the reviewer

KIWI, OLIVES AND TREE NUT CROPS, such as:

Almond, Beech Nut, Brazil Nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert, Hazelnuts, Hickory Nut, Macadamia Nut, Pecan, Pistachio, and Walnut

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|--|---|--|--|
| Root rots, Crown rots (<i>Phytophthora</i> and <i>Pythium spp.</i>) Trunk Cankers, Foliar Blights. {t}Suppression** of Foliar Bacterial and Fungal Diseases Anthracnose (<i>Colletotrichum</i>), Hull rot (<i>Monilia spp.</i>), Flower diseases (<i>Cladosporium spp.</i>), Alternaria leaf Spots (<i>Alternaria spp.</i>), Raceme Blight (<i>Phytophthora</i>) in Macadamia. | Foliar Spray Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 20 gallons/acre [(190 L/ha)] of water. | Begin application during active plant growth after plants are established and conditions favor disease development. Disease Prevention/Low Pressure Program* : Apply lower rate at 3 month intervals. Do not apply more than 4 times per crop cycle. Disease Control/High Pressure Program* : Apply higher rate at monthly intervals. Do not apply more than 4 times per crop cycle. |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |
| | Root Dip: | Mix a 0.5% v/v solution (2 quarts/100 gallons of water or [(5 L/1000 L)] of water). | Apply as pre-plant dip to the roots for 30 seconds. Plant within 48 hours after dipping. Mix a fresh solution daily. |
| | Chemigation Overhead: Low Volume: | Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 1,000 gallons/acre [(9,350 L/ha)] of water. Apply 2-4 quarts/acre [(5-9 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | Apply with normal irrigation schedule. Follow Disease Programs* as stated above. Do not apply more than 6 times per crop cycle. |
| Pruning Wound, Crown and Trunk Canker (<i>Phytophthora spp.</i>) | Trunk Spray | Mix 1-3 quarts with [(2.5-7 L)] in 5 gallons [(20 L)] of water. | |
| [t] Suppression** of Powdery Mildew | Foliar Spray Aerial: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 20 gallons/acre [(190 L/ha)] of water. | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 days intervals. Do not apply more than 6 times per crop cycle. |
| | Ground: | Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. Fungi-Phite Ca is most effectively applied to control powdery mildew when tank mixed with other registered fungicides. | |

[] – Optional label claims
 { } – Note to the reviewer

| | | | |
|---|--|--|--|
| [Downy Mildew] | [Foliar Spray] [Aerial:] [Ground:] | [Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 15 gallons/acre [(140 L/ha)] of water.] [Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 50 gallons/acre [(470 L/ha)] of water.] | [Begin applications at bud break with additional applications made at 7-10 day intervals in rotational programs with other labeled fungicides. Use higher rates and volumes based on disease severity and density of canopy. Do not apply more than 6 times per crop cycle.] |
| {†}[Scab (<i>Cladosporium caryigenum</i>)] | [Foliar Spray] [Ground:] | [Apply 1-1.25 quarts/acre [(2-3 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water] | [Apply Fungi-Phite Ca in a preventative spray schedule beginning at bud break, and continue on a 10-14 day interval. Applications to the nuts may be alternated with other labeled fungicides.] [Do not apply Fungi-Phite Ca to pecans in less than 100 gal/acre.] [Low Disease Pressure*: Apply lower rate at the first onset of the disease. Do not apply more than 6 times per crop cycle.] [High Disease Pressure*: Apply higher rate at the first onset of the disease. Do not apply more than 6 times per crop cycle.] |

{†Not registered for use in CA unless accompanied by a supplemental label.}

***Check with your local Extension Agent or Crop Consultant if you are unsure about disease prevention, control or severity/pressure.**

****Suppression: Fungi-Phite Ca has suppressive properties on diseases caused by certain bacteria or fungi. When applying Fungi-Phite Ca for disease suppression, use it in combination with another registered bactericide or fungicide registered for the same crops listed on this label.**

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in a cool, dry place.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING:

Nonrefillable Container (five gallons or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Nonrefillable Container (greater than five gallons): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Refillable Container: Refillable container. Refill this container with FUNGI-PHITE Ca only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

[FOR CHEMICAL EMERGENCY ONLY (SPILL, LEAK, OR FIRE), CALL [CHEMTREC AT 1-800-424-9300].]

[] – Optional label claims
{ } – Note to the reviewer

WARRANTY STATEMENT

VERDESIAN LIFE SCIENCES, LLC warrants that the product conforms to the chemical description on the label and is reasonably fit for the purposes set forth on the label when used according to directions under normal use conditions. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. This warranty does not extend to the handling or use of this product contrary to label instructions or under abnormal conditions not reasonably foreseeable to seller and to the fullest extent permitted by state law, buyer assumes all risk of any such use.

[Label version ~~01/23/2018~~02/28/2018]

[] – Optional label claims
{ } – Note to the reviewer

{Sub Label B Turf & Ornamental Label}

FUNGI-PHITE Ca T&O

A Calcium Enriched Fungicide

ACTIVE INGREDIENTS*:

Calcium ~~and Potassium~~ Salts of Phosphorous Acid* 40*
..... 20.0%
Mono- and Di-Potassium Salts of Phosphorous Acid**† 20.0%

OTHER INGREDIENTS
..... 60.0%
TOTAL 100.0%

~~**TOTAL** 100.0%~~

*Contains 2.5 lbs/gal of the active ~~ingredients~~ingredient of Calcium Salts of Phosphorous Acid

**Contains 2.5 lbs/gal of the active ingredient Mono- and Di-Potassium Salts of Phosphorous Acid

*†Equivalent to 2.75 lbs/gal Phosphorous Acid

KEEP OUT OF REACH OF CHILDREN CAUTION

| FIRST AID | |
|---|---|
| If in eyes | <ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice. |
| If on skin or clothing | <ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice. |
| Hotline Number Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the International Poison Center at 1-888-740-8712 for emergency medical treatment information. | |

See [Back] [Side] Panel for Precautionary Statements

EPA Reg. No. 73771-NEW

EPA Est. No. 73771-CA-1

NET CONTENTS: (various) 1 gallon, 2.5 gallon, 5 gallon

Manufactured For:
Verdesian Life Sciences, LLC
1001 Winstead Drive, Suite 480
Cary, NC 27513

[] – Optional label claims
{ } – Note to the reviewer

Ph. 559-635-3087

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Harmful if absorbed through skin. Remove and wash contaminated clothing before reuse. Wear the appropriate Personal Protective Equipment (PPE).

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- waterproof gloves
- shoes plus socks
- protective eyewear

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USERS SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons either directly or through drift. Only protected handlers to be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notifications, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the REI of 4 hours.

For early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil, or water, wear coveralls, waterproof gloves, shoes and socks, and protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements of this box apply to uses of the product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter treated areas without protective clothing until sprays have dried.

APPLICATION INSTRUCTIONS FOR ORNAMENTAL PLANTS, CONIFERS AND TURF

GENERAL APPLICATION INSTRUCTIONS

Apply this product by various application methods, including foliar spray (aerial and ground), soil drench, soil incorporation and bare root dip. For foliar sprays, apply this product with sufficient water volumes for adequate coverage of foliage, according to crop and growth stage.

Make applications prior to disease development in conjunction with good cultural management practices. Do not exceed the use rates or apply more frequently than the specified interval or plant injury can occur. Do not apply to plants that are dormant or heat or moisture stressed. Allow foliage to dry completely after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

MIXING INSTRUCTIONS

1. Fill the spray tank with $\frac{1}{2}$ to $\frac{3}{4}$ of the required volume of water before adding the product.
2. Add the product slowly to the tank and agitate by hydraulic or mechanical means.
3. Continue to fill the tank with water to the desired volume while agitating.
4. Continue agitation when applying.

COMPATIBILITY

This product is compatible with most products used in agriculture. However, crop sensitivity to these mixtures may vary. If these combinations or others have not been previously used, do not tank mix without first testing the mixture's compatibility nor apply it without assessing its safety to the crop (Phytotoxicity).

The use of spray adjuvants (i.e. stickers, spreaders, wetting agents) will enhance this products performance. If an adjuvant is used with this product, test before use for compatibility. Do not use strongly acidifying compatibility agents.

To determine the compatibility of this product with other products, use a jar compatibility test. Add the correct proportions of each product and the appropriate quantity of water to clean container, thoroughly mix, then let stand for 3-5 minutes. If the mixture remains in solution or can be remixed readily, the products are considered compatible.

To determine if a combination is phytotoxic to a specific crop, spray a few plants/trees/vines, then evaluate 3-7 days later for visual effects.

CHEMIGATION: Apply this product only through the following types of systems: sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, hand move, fanjet or micro-sprinkler. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

[] – Optional label claims
{ } – Note to the reviewer

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS: Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water system must contain a functional, reduced pressure zone (RPZ) backflow preventer or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops or, in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Use a pesticide supply tank that is equipped with a means for continuous agitation either by recirculation or a mechanical agitator. Charge the supply tank with the appropriate amount of water and add the pesticide slowly followed by any sticker-spreaders, insecticides, nutrients, etc. Observe all directions, cautions and limitations on the label of the product(s) being mixed.

For fixed position irrigation systems, apply the pesticide towards the end of the irrigation period. Exact timing will depend on the desired pesticide application rate and calibration of the system. Apply the pesticide continuously through irrigation systems that move and do not irrigate the same or fixed area during the irrigation cycle.

Complete the pesticide injection in sufficient time to allow the pesticide to be completely flushed out of the irrigation system before the system is shut down.

[] – Optional label claims
{ } – Note to the reviewer

SPRINKLER CHEMIGATION: The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Use a pesticide supply tank that is equipped with a means for continuous agitation either by recirculation or a mechanical agitator. Charge the supply tank with the appropriate amount of water and add the pesticide slowly followed by any sticker-spreaders, insecticides, nutrients, etc. Observe all directions, cautions and limitations on the label of the product(s) being mixed.

For fixed position irrigation systems, apply the pesticide towards the end of the irrigation period. Exact timing will depend on the desired pesticide application rate and calibration of the system. Apply the pesticide continuously through irrigation systems that move and do not irrigate the same (fixed) area during the irrigation cycle.

Complete the pesticide injection in sufficient time to allow the pesticide to be completely flushed out of the irrigation system before the system is shut down.

[] – Optional label claims
 { } – Note to the reviewer

ROSES

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|---|---------------------|---|--|
| Root Rot and Cankers (<i>Phytophthora</i> and <i>Pythium spp.</i>) Downy Mildew, Bacterial Blight, <i>Xanthomonas</i> | Foliar Spray: | Apply 1-2 quarts/acre [(2.5-5 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | Apply at 2-4 week intervals and repeat as needed. Application rates depend upon plant type, maturity and spray technique/method. Do not apply more than 6 times per crop cycle. |
| {†}Suppression** of Foliar Diseases Black Spot (<i>Diplocarpon spp.</i>) | Soil Drench: | Mix 1-2 quarts [(2.5-5 L)] in 100 gallons [(380 L)] of water. | Apply using hand held, mechanical, or motorized spray equipment, or as a chemigation drench or directed spray using applicable sprinkler or low volume irrigation systems to propagation beds, containers, pots, trays, or nursery or landscape beds at a rate to thoroughly soak the growing media through the root zone. A general guide is 1-2 quarts/sq ft [(5-10 L/m ²)] of the diluted mixture depending on the media type and depth (about 3 fl oz/3 inch pot or 6 fl oz/6 inch pot or about 80 ml/10 cm pot and 120 ml/15 cm pot). |
| | Soil Incorporation: | Mix 4-16 fl oz/cubic yard (150-700 ml/m ³) of soil media. | Mix product with soil media immediately before potting. If conditions are favorable for disease development, applications as a foliar spray or soil drench will enhance protection. |
| {†}Suppression** of Powdery Mildew | Foliar Spray | | |
| | Aerial: | Apply 1-2 quart/acre [(2.5-5 L/ha)] in a minimum of 20 gallons/acre [(190 L/ha)] of water. | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |
| | Ground: | Apply 1-2 quarts/acre [(2.5-5 L/ha)] in a minimum of 75 gallons/acre [(700 L/ha)] of water. [Fungi-Phite Ca T&O is most effectively applied to control powdery mildew when tank mixed with other registered fungicides.] | |

[] – Optional label claims
 { } – Note to the reviewer

| | | | |
|----------------|-----------------------------|---|--|
| [Downy Mildew] | [Foliar Spray] [Aerial:] | [Apply 1-2 quarts/acre [(2.5-5 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water.] | [Low Disease Pressure*: Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle.] [High Disease Pressure*: Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.] |
| | [Ground:] | [Apply 1-2 quarts/acre [(2.5-5 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water.] | |

{†}Not registered for use in CA unless accompanied by a supplemental label.}

ORNAMENTALS, such as:

Annual and Perennial Flowers, Bedding Plants, Foliage Plants, Ground Covers, Deciduous and Evergreen Trees and Shrubs in the field, Container, and Conifer Nursery, Lath or Shade House, Greenhouse, Residential, Commercial and Municipal Landscapes. **Use in Greenhouses:** Ornamentals and Bedding Plants such as: Ageratum, Aglaonema, Algerian Ivy, Anthurium, Aphelandra, Arborvitae, Artemisia, Aster, Azaleas, Baby's Breath, Begonia, Bougainvillea, Boxwood, Caladium, Carnation, Cattelya Skinneri, Ceanothus, Chrysanthemum, Cissus, Coleus, Columbine, Cotoneaster, Daisy, Delphinium, Dieffenbachia, Dogwood, Easter Lily, English Ivy, Ficus, Foxglove, Gaillardia, Geranium, Gloxinia, Hibiscus, Impatiens, Japanese Holly Juniper, Leather-Leaf Fern, Marigold, Monterey Pine, Pansy, Peperomia, Petunia, Philodendron, Phlox, Photinia, Pieris, Pinks, Pittosporum, Poinsettia, Pothos, Primrose, Prostrate Rosemary, Rhododendron, Salvia, Schefflera, Sedum, Sempervivum, Snapdragon, Spathiphyllum, Taxus Media, Verbena, Vinca, White Cedar, White Pine, Zinnia, Zygocactus, etc.

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|---|---|--|--|
| Root and Crown Rots, Stem Cankers and Foliar Blight. (<i>Phytophthora</i> and <i>Pythium spp.</i>) {†}Suppression** of Foliar Diseases | Foliar Spray Aerial: | Apply 1-2 quart/acre [(2.5-5 L/ha)] in a minimum of 20 gallons/acre [(190 L/ha)] of water. | Apply at 2-3 week intervals and repeat as needed. Use the lower rate on sensitive plants. For greenhouse applications, do not exceed the lower rate (1 quart/100 gallons/acre of water or 2 L/950 L/ha of water). Do not apply more than 6 times per crop cycle. |
| | Ground: | Apply 1-2 quarts/acre [(2.5-5 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |
| | Soil Drench | Mix 6-13 fl oz (180-390 ml) in 100 gallons [(380 L)] of water. | Apply 25 gallons of solution per 100 square feet. Irrigate to distribute solution through soil. Repeat as required. Limit to one application per month. |
| | Soil Incorporation | Mix 1-2 pints/cubic yard (600-1200 ml/m ³) of soil. | Mix immediately before potting. If conditions are favorable for disease development, a foliar spray or soil drench application will enhance protection. |
| | Root Dip | Mix a 0.25% v/v solution 1 quart/100 gallons of water or [(1 L/400 L)] of water). | Dip transplants into diluted mixture keeping roots submerged for 20-30 seconds. Plant within 48 hours. Make a fresh solution daily. |
| | Chemigation Overhead: Low Volume: | Apply 2 quarts/acre [(5 L/ha)] in a minimum of 1,000 gallons/acre [(9,350 L/ha)] of water. Apply 1-2 quarts/acre [(2.5-5 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | Apply with normal irrigation schedule. Follow Foliar Spray APPLICATION PROGRAM as stated above. Do not apply more than 6 times per crop cycle. |

[] – Optional label claims
 { } – Note to the reviewer

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|------------------------------------|--|---|---|
| Downy Mildew | Foliar Spray Aerial: Ground: | Apply 1-2 quart/acre [(2.5-5 L/ha)] in a minimum of 20 gallons/acre [(190 L/ha)] of water. Apply 1-2.5 quarts/acre [(2.5-5.5 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 days intervals. Do not apply more than 6 times per crop cycle. Application amount depends upon plant type, maturity and application technique/method. |
| {†}Suppression** of Powdery Mildew | Foliar Spray Aerial: Ground: | Apply 1-2 quart/acre [(2.5-5 L/ha)] in a minimum of 20 gallons/acre [(190 L/ha)] of water. Apply 1-2 quarts/acre [(2.5-5 L/ha)] in a minimum of 50 gallons/acre [(470 L/ha)] of water. [Fungi-Phite Ca T&O is most effectively applied to control powdery mildew when tank mixed with other registered fungicides.] | Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle. High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle. |

{†}Not registered for use in CA unless accompanied by a supplemental label.}

[] – Optional label claims
 { } – Note to the reviewer

CONIFERS IN COMMERCIAL NURSERIES, LANDSCAPE TREES, PLANTATIONS, FORESTRY AND PARK APPLICATIONS¹, such as:

Christmas Tree Varieties, Firs, Spruces, Ash, Pines, Beech, Cedar, Chestnut, Crab Apple, Dogwood, Elm, Fir, Hawthorn, Juniper, Linden, Oaks, Birch, Eucalyptus and Willow.

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|---|-----------------------------|--|--|
| Root Rot and Trunk Cankers <i>(Phytophthora Pythium spp.)</i> {†}Suppression** of Foliar Diseases {†}Enhancement of Mycorrhization | Foliar Spray | | |
| | Aerial: | Apply 1-2 quarts/acre [(2.5-5 L/ha)] in a minimum of 20 gallons/acre [(190 L/ha)] of water. | Apply as a light cover spray to foliage. Apply at 2-4 week intervals and repeat as needed. Final application amounts depend on plant type, maturity, and application technique/method. Do not apply more than 4 times per crop cycle. |
| | Ground: | Apply 1-2 quarts/acre [(2.5-5 L/ha)] in a minimum of 100 gallons/acre [(950 L/ha)] of water. | |
| | Soil Drench | Mix 1-2 quarts [(2.5-5 L)] in 100 gallons [(380 L)] of water. | Apply 0.25-0.5 pints/sq ft [(4-8 L/m ³)] of the diluted mixture. Irrigate sufficiently to wet active root zone. Apply at a 2-4 week interval and repeat as needed. Do not apply more than 4 times per crop cycle. |
| | Root Dip | Mix a 0.25% v/v solution (1 quart/100 gallons of water or [(1 L/400 L of water)]). | Dip transplants into diluted mixture keeping roots submerged for 1 to 2 minutes. Plant within 48 hours. Make a fresh solution daily. |
| Christmas Trees | Soil Drench | 1 gallon/acre immediately after transplanting then 2 qt/acre every 30 days for 3 applications in the active growing season. | |
| Stem and Canker Blight (<i>Phytophthora ramorum</i>) i.e. Sudden Oak Death ¹ | Trunk Injection | Make up a 15% v/v solution of Fungi-Phite Ca T&O (20 fl oz/gallon of water or [(150 ml/L)] of water). | Inject (according to injection equipment instructions) 0.5 fl oz (15 ml) of the diluted Fungi-Phite Ca T&O solution into one injection hole. Dosage: One (1) injection per yard (or meter) of canopy diameter at the drip line. (i.e. a tree with 6 yards (or meters) of canopy diameter will require 6 injections via 6 separate injection holes). Curative: Inject 2 times per year in the Spring and Fall. Preventative: Inject 1 time in the Spring. |
| | {†}Bark Applications | Mix Fungi-Phite Ca T&O and water in a 1:1 ratio (i.e. 1 gallon of Fungi-Phite Ca T&O plus 1 gallon of water). Add to this 3 oz (100 ml) of a silicon based surfactant. | Apply the Fungi-Phite Ca T&O solution from the base of the tree to approximately 5 feet (1.5 M) above ground, ensuring complete bark coverage. Spray over active lesions if they are accessible. |

[] – Optional label claims
 { } – Note to the reviewer

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|--------------------------------------|--|---|--|
| [Downy Mildew] | [Foliar Spray] [Aerial:] [Ground:] | [Apply 2-3 quarts/acre [(5-7 L/ha)] in a minimum of 15 gallons/acre [(140 L/ha)] of water.] [Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 50 gallons/acre [(470 L/ha)] of water.] | [Begin applications at bud break with additional applications made at 7-10 day intervals in rotational programs with other labeled fungicides. Use higher rates and volumes based on disease severity and density of canopy. Do not apply more than 6 times per crop cycle.] |
| {†}[Suppression** of Powdery Mildew] | [Foliar Spray Aerial:] [Ground:] | [Apply 1.5-2 quarts/acre [(3.5-5 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water.] [Apply 1.5-2 quarts/acre [(3.5-5 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water.] [Fungi-Phite Ca T&O is most effectively applied to control powdery mildew when tank mixed with other registered fungicides.] | [Low Disease Pressure* : Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle.] [High Disease Pressure* : Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.] |

{†}Not registered for use in CA unless accompanied by a supplemental label.}

¹Use in California is limited to Oaks (Coastal, live, Shreve, Black, and Canyon), Tan Oaks and other tree species that are host to *P. ramorum*. Applications limited to injection and basal bark spray of pines, apples and cranberries, and injection of Sycamores for control of Sycamore anthracnose. Do not apply to any other tree species without consulting the list of *P. ramorum* host species listed at the following website: <http://nature.berkeley.edu/comtf/index/html>

[] – Optional label claims
 { } – Note to the reviewer

TURF (Warm & Cool season)***, such as

Golf Course, Athletic Fields, Sod Farms, Residential, Amenity, Commercial and Municipal Lawns

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|--|--------------------|---|---|
| {†} <i>Pythium spp.</i> and <i>Phytophthora</i> (except California) | Foliar Spray | Mix 4-6 fl oz (133-200 ml) in 1-2 gallons [(4-8 L)] of water. | Begin preventative applications when conditions first favor disease. Apply 1-2 gallons of diluted mixture/1,000 sq ft [(4-8 L/100 m ²)] as a light cover spray. Apply at a 1-4 week interval as needed. Do not mow or irrigate treated area until sprays have completely dried. |
| Pythium Blight | | 6 fl oz/1000 sq. ft. | Apply at 7 day intervals. |
| Suppression** of Brown Patch (<i>Rhizoctonia spp.</i>) and Anthracnose (<i>Colletotrichum</i>) | | 6 fl oz/1000 sq. ft. Apply at 1.5 gallons per 1000 sq. ft. | Apply at 7 day intervals. Turf disease management is significantly improved when Fungi-Phite Ca T&O is used at the high labeled rate and is most effectively applied used when tank mixed with other registered fungicides. |

{†}Not registered for use in CA unless accompanied by a supplemental label.

[] – Optional label claims
 { } – Note to the reviewer

TURF TANK MIXTURES***

For **Suppression**** or control of summer stress diseases caused by a complex of *Pythium spp.*, *Colletotrichum spp.* and *Rhizoctonia spp.* Also for improvement of existing fungicide programs and the minimization of resistance development in pathogenic fungi. Tank mix this product with fungicides from the classes of Fungicides as listed below in accordance with the most restrictive label limitations and precautions. Do not exceed label dosage rates. This product cannot be mixed with any product containing a label prohibiting against any such mixing. To determine the compatibility of this fungicide with other products, use a jar compatibility test. Add the correct proportions of each product and the appropriate quantity of water to a clean container. Thoroughly mix and let stand for 3-5 minutes. If the mixture remains in solution or can be remixed readily, the products are considered compatible.

| DISEASE | APPLICATION METHOD | APPLICATION RATE | APPLICATION PROGRAM |
|---|--|---|--|
| Complex of <i>Pythium spp.</i> , <i>Colletotrichum spp.</i> and <i>Rhizoctonia spp.</i> | Tank mix with a registered fungicide for these turf declines such as a dithiocarbamate, a Triazole, a benzimidazole, a strobilurin or a Chloronitrile fungicide. | Follow product label. | Follow the most restrictive product label. |
| [Downy Mildew] | [Foliar Spray] [Aerial:] [Ground:] | [Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water.] [Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water.] | [Low Disease Pressure*: Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle.] [High Disease Pressure*: Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.] |
| [Suppression** of Powdery Mildew] | [Foliar Spray] [Aerial:] [Ground:] | [Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 10 gallons/acre [(95 L/ha)] of water.] [Apply 1-3 quarts/acre [(2.5-7 L/ha)] in a minimum of 30 gallons/acre [(280 L/ha)] of water.] [Fungi-Phite Ca T&O is most effectively applied to control powdery mildew when tank mixed with other registered fungicides.] | [Low Disease Pressure*: Apply lower rate at the first onset of the disease. Repeat applications at 1-2 week intervals. Do not apply more than 6 times per crop cycle.] [High Disease Pressure*: Apply higher rate at the first onset of the disease. Repeat applications at 7-10 day intervals. Do not apply more than 6 times per crop cycle.] |

***Check with your local Extension Agent or Crop Consultant if you are unsure about disease prevention, control or severity/pressure.**

****Suppression: FUNGI-PHITE Ca T&O has suppressive properties on diseases caused by certain bacteria or fungi. When applying FUNGI-PHITE Ca T&O for disease suppression, use it in combination with another registered bactericide or fungicide registered for the same crops listed on this label.**

*****Do not graze livestock or poultry in treated turf areas. Do not feed forage or clippings from treated turf areas to livestock or poultry.**

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in a cool, dry place.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING:

Nonrefillable Container (five gallons or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Nonrefillable Container (greater than five gallons): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Refillable Container: Refillable container. Refill this container with FUNGI-PHITE Ca T&O only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

[FOR CHEMICAL EMERGENCY ONLY (SPILL, LEAK, OR FIRE), CALL [CHEMTREC AT 1-800-424-9300].]

[] – Optional label claims
{ } – Note to the reviewer

WARRANTY STATEMENT

VERDESIAN LIFE SCIENCES, LLC warrants that the product conforms to the chemical description on the label and is reasonably fit for the purposes set forth on the label when used according to directions under normal use conditions. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. This warranty does not extend to the handling or use of this product contrary to label instructions or under abnormal conditions not reasonably foreseeable to seller and to the fullest extent permitted by state law, buyer assumes all risk of any such use.

[Label version ~~01/23~~02/28/2018]

[] – Optional label claims
{ } – Note to the reviewer

{Sub Label C – Agricultural Uses-Post Harvest Applications}

FUNGI-PHITE Ca PH
A Calcium Enriched Fungicide

A Fungicide for the Suppression** and Control of Phytophthora, Pythium and Downy Mildew for Potatoes, Sweet Potatoes, Yams and other Tuber Crops, Citrus and Citrus Hybrids, Avocado, Carrots, Pome fruit, Stone fruit, Banana and Plantains, Mango, Papaya, Pineapple, Lychee, Mangosteen, Wax Apple, Longan, Carambola, Guava and certain Cut Flowers

ACTIVE INGREDIENTS*:

Calcium Salts of Phosphorous Acid*† 20.0%
Mono- and Di-Potassium Salts of Phosphorous Acid*.....40**†
..... 20.0%

OTHER INGREDIENTS.....
..... 60.0%

TOTAL 100.0%

~~**TOTAL** 100.0%~~

*Contains 2.5 lbs/gal of the active ~~ingredients~~ingredient of Calcium Salts of Phosphorous Acid

**Contains 2.5 lbs/gal of the active ingredient Mono- and Di-Potassium Salts of Phosphorous Acid

†Equivalent to 2.75 lbs/gal Phosphorous Acid

KEEP OUT OF REACH OF CHILDREN
CAUTION

| FIRST AID | |
|---|---|
| If in eyes | <ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice. |
| If on skin or clothing | <ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice. |
| Hotline Number Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the International Poison Center at 1-888-740-8712 for emergency medical treatment information. | |

See [Back] [Side] Panel for Precautionary Statements

EPA Reg. No. 73771-NEW

EPA Est. No. 73771-CA-1

NET CONTENTS: (various) 1 gallon, 2.5 gallon, 5 gallon

[] – Optional label claims
{ } – Note to the reviewer

Manufactured For: Verdesian Life Sciences, LLC, 1001 Winstead Drive, Suite 480,
Cary, NC 27513, Ph. 559-635-3087

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Wear the appropriate Personal Protective Equipment (PPE).

PERSONAL PROTECTIVE EQUIPMENT (PPE)

All mixers, loaders, applicators and other handlers must wear:

- long-sleeved shirt and long pants
- waterproof gloves
- shoes plus socks
- protective eyewear

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USERS SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

General Instructions: Fungi-Phite Ca PH Fungicide can be applied in any aqueous application such as bin washers, dump tanks, soak tanks and pressure washers. When diluted per label mixing instructions, Fungi-Phite Ca PH is compatible with most post-harvest chemicals. For Suppression of: Brown Rot (*Phytophthora spp.*) and *Phythium* Storage Rots (*Phythium spp.*). Sour Rot (*Geotrichum candidum*), Bitter Rot (*Glomularia spp.*), Blue Mold (*Penicillium italicum*), Green Mold (*Penicillium digitatum*), Anthracnose

[] – Optional label claims
 { } – Note to the reviewer

(*Colletotrichum gleosporoides*), Late Blight (*Phytophthora infestans*) and Pink Rot (*Phytophthora erythroseptica*) particularly when used in combination with other post-harvest fungicides.

Fungi-Phite Ca PH is especially effective in preventing the development of tolerant or resistant strains of fungi when tank mixed with a registered fungicide of a different class of chemistry or when registered chemicals require alternating with a different chemical class.

Use a suitable non-ionic surfactant in all post-harvest applications.

{†}Potatoes, Sweet Potatoes and Yams

| DISEASE | APPLICATION RATE | APPLICATION PROGRAM |
|--|---|--|
| Suppression** of Late Blight (<i>Phytophthora infestans</i>) and Pink Rot (<i>Phytophthora erythroseptica</i>) | Tuber low volume spray: Apply 1-3 pints of Fungi-Phite Ca PH per ton of tubers in 0.5-1 gallons of water as a spray. Dipping: Make up a 1% v/v solution of Fungi-Phite Ca PH. | Ensure complete and even coverage. If dipping, ensure that potato tubers are immersed in solution for at least 30 seconds. |

{†}Not registered for use in CA unless accompanied by supplemental labeling

Citrus including, but not limited to Grapefruit, Lemons, Limes, Oranges (sour and sweet), Tangelos, Tangerines, Citrus Citron, Citrus Hybrids (Mandarin Lime, Calamondin), Clementines, Kumquat, Pummelo, and Satsuma Mandarin

| DISEASE | APPLICATION RATE | APPLICATION PROGRAM |
|---|---|---|
| Suppression** of Brown rot (<i>Phytophthora</i> spp.), Green Mold (<i>Penicillium digitatum</i>) and Blue Mold (<i>Penicillium italicum</i>) & Sour Rot (<i>Geotrichum candidum</i>) | Make up a 2% v/v solution of Fungi-Phite Ca PH in water. Use approximately 100 gallons of diluted solution per 30 bins# of fruit. For applications to aqueous sprays prior to washing, apply 3 pints per 25 gallons spray mixture. | Ensure complete and even coverage and that fruit is drenched for at least 60 seconds. |

#Note: Average Bin Weight = 800 lbs or 30 bins weigh 12 Tons

[] – Optional label claims
 { } – Note to the reviewer

[†]For use on Avocado, Pome Fruit (Apples, Pears, Loquat, Mayhaw, Quince), Stone Fruit [Apricots, Cherry (sour), Cherry (sweet), Nectarine, Peach, Plum, Plumcot, Prune], Banana, Plantain, Mango, Papaya, Pineapple, Guava, Lychee, Longan, Mangosteen, Carambola, Wax Apple, and Carrots in a Drench Tank or as a Spray

| CROP | DISEASE | APPLICATION RATE | APPLICATION PROGRAM |
|---|--|---|--|
| Avocado | Suppression** of Anthracnose (<i>Colletotrichum spp.</i>) <i>Dithiorea</i> and <i>Cercospora spp.</i> | Apply 1-1.5 gallons Fungi-Phite Ca PH per 100 gallons of water. Use approximately 100 gallons of diluted solution per 30 bins [#] of fruit. | Ensure complete and even coverage. Replace solution every 30 bins of fruit. |
| Pome Fruit | Suppression** of Brown Rot (<i>Phytophthora spp.</i>) Blue Mold (<i>Penicillium spp.</i>) Bitter Rot (<i>Glomularia spp.</i>) and <i>Monolinia spp.</i> | Apply 1-1.5 gallons Fungi-Phite Ca PH per 100 gallons of water. Use approximately 100 gallons [(950 L)] of diluted solution per 30 bins [#] of fruit. | Ensure complete and even coverage. Replace solution every 30 bins of fruit. |
| Stone Fruit | Suppression** of Brown Rot (<i>Phytophthora spp.</i>) (<i>Monolinia spp.</i>) Grey Mold (<i>Botrytis</i>) and Blue Mold (<i>Penicillium spp.</i>) | Apply 1 gallon Fungi-Phite Ca PH per 100 gallons of water. Use approximately 100 gallons of diluted solution per 30 bins [#] of fruit. | Ensure complete and even coverage. Replace solution every 30 bins of fruit. |
| Bananas & Plantains | Suppression** of Crown Rot (<i>Fusarium spp.</i>), Anthracnose (<i>Colletotrichum spp.</i>) Speckle, Freckle and Finger Rot | Dehanding Tank: Apply 2-3 gallons Fungi-Phite Ca PH per 200 gallons of water. Replenish every 2 days. Fungicide Application: Apply as a spray mix with other fungicides at 1-2 pints Fungi-Phite Ca PH per 25 gallons of water | Apply to dehanded fruit after fruit has passed through the delatexing tank. Apply as a part of the post-harvest fungicide treatment. |
| Mangos, Papayas, Pineapple, Lychee, Longan, Carambola, Wax Apple, Mangosteen, and Guava | Suppression** of Anthracnose <i>spp.</i> , Black Spot, Chocolate Spot, <i>Cercospora</i> , <i>Alternaria</i> , <i>Botryodiplodia</i> , <i>Phomopsis</i> , <i>Cladosporium</i> | Fruit Dip: Make up a 2% v/v solution of Fungi-Phite Ca PH in water. Use one gallon of the diluted mix per 4,000 lbs. of fruit. | Ensure complete and even coverage. Apply with other fungicides in hot or cold water. |
| Carrots | Suppression** of Cavity Spot, <i>Fusarium</i> Rot, <i>Phytophthora</i> Rot, Grey Mold (<i>Botrytis cineria</i>) Crown Rot and Black Rot | Apply 3 pints Fungi-Phite Ca PH per 75 gallons of water. Use one gallon of the diluted mix per 6,000 lbs. of carrots | Immerse carrots for 5-10 seconds prior to storage. Replace solution when it appears dirty. |

{†Not registered for use in CA unless accompanied by supplemental labeling}

#Note: Average Bin Weight = 800 lbs or 30 bins weigh 12 Tons

[] – Optional label claims
 { } – Note to the reviewer

{†}For use on Cut Flowers, Roses and Chrysanthemums

| CROP | DISEASE | APPLICATION RATE | APPLICATION PROGRAM |
|---|--|--|--|
| Roses, Chrysanthemums, Carnations and Other Cut flowers | For the Suppression** of post-harvest storage rots, including Botrytis, Anthracnose, vascular wilts and soft rots | Apply 0.5-1.5 pints Fungi-Phite Ca PH per 100 gallons in the hydrating solution. Use the lower rate (0.5 pints/100 gallons when low pest pressure is present. Use the higher rate (1.5 pints/100 gallons when high pest pressure is present | Ensure complete and even coverage of cut flower stems when immersing. Do not immerse the flower heads. |

{†Not registered for use in CA unless accompanied by supplemental labeling}

****Suppression: FUNGI-PHITE Ca PH has suppressive properties on diseases caused by certain bacteria or fungi. When applying FUNGI-PHITE Ca PH for disease suppression, use it in combination with another registered bactericide or fungicide registered for the same crops listed on this label.**

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in a cool, dry place.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING:

Nonrefillable Container (five gallons or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

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[] – Optional label claims
{ } – Note to the reviewer

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[Label version [01/2302/28/2018](#)]